ED 398 074 SE 058 772

AUTHOR Robinson, George B.; And Others
TITLE Discover a Watershed: The Everglades.
INSTITUTION Montana State Univ., Bozeman. Watercourse.
REPORT NO ISBN-1-888631-02-3
PUB DATE 96
NOTE 278p.
AVAILABLE FROM The Watercourse, Montana State University, 201 Culbertson Hall, Bozeman, MT 59717-0057.
PUB TYPE Guides - Classroom Use - Teaching Guides (For Teacher) (052)

EDRS PRICE Document Not Available from EDRS.
DESCRIPTORS *Conservation (Environment); Ecology; Environmental Education; Groundwater; Intermediate Grades; Investigations; Science Activities; Secondary Education; Simulation; *Water Resources
IDENTIFIERS *Everglades; *Watersheds

ABSTRACT

This publication is designed for both classroom teachers and nonformal educators of young people in grades 6 through 12. It can provide a 6- to 8-week course of study on the watershed with students participating in activities as they are ordered in the guide, or activities may be used in any order with educators selecting those appropriate for the aspect of the watershed they are studying. This book is divided into three parts: a reference section that includes the natural and human history of the watershed, contemporary issues and potential solutions, and learning activities. Chapters include: (1) "The Vital Essence"; (2) "Rock from Water"; (3) "A Primal Alliance"; (4) "A Green Patchwork"; (5) "Blood and Bones"; (6) "Connections"; (7) "Looking Back at Eden"; (8) "Troubled Waters"; and (9) "A Portfolio of Problems". Investigations include simulating the movement of water molecules through the Kissimmee-Okeechobee-Everglades watershed; building a model of the watershed; investigating southern Florida's ground water systems; comparing and contrasting southern Florida with places around the world at the same latitude; plotting a hurricane and predicting if it will make a landfall; sharpening survival skills; modeling a mangrove, stabilizing a shoreline, and protecting a peninsula; designing animals with special adaptations for survival in different habitats; creating a transect and exploring the concepts of ecotone and the edge effect; tracing the history of southern Florida through stories; designing simulations that illustrate the threat of invasive species to the watershed; simulating a restoration project; creating a special edition of a newspaper on water in southern Florida; kicking wasteful habits and conserving water; and developing a vision statement for the Everglades for the year 2020. Appendices includes a list of species, resources, maps, and other watercourse publications. (JRH)

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